

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	907	(359/871).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/24 15:42
L2	60	L1 and "flex!"	US-PGPUB; USPAT	OR	ON	2006/10/24 15:42
L4	8	("1014139").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/10/24 16:21
L5	2	("0499823").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/10/24 16:23
L6	2	("9967683").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/10/24 16:24
L7	2	("6552862").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/10/24 16:24
L8	3	("4538882"   "5923480"   "6229657").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 16:25
L9	3	("4538882"   "5923480"   "6229657").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 16:29
L10	1	("6580570").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/24 16:29
L11	5	("20020001142"   "20020021504"   "3917385"   "6275344"   "6307688").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 16:30
L12	5	("20020001142"   "20020021504"   "3917385"   "6275344"   "6307688").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 16:30
L13	7	("3957359"   "4017878"   "4161120"   "5249082"   "5521764"   "5774274"   "5966248").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 16:31

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L14	7	("3957359"   "4017878"   "4161120"   "5249082"   "5521764"   "5774274"   "5966248").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 16:35
L15	17	"6307688"	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 16:41
L16	1	("6307688").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/24 16:35
L17	0	"10002097"	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/24 16:41
L18	0	("10002097").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/24 16:41
S1	10	"6236490"	US-PGPUB; USPAT	OR	ON	2006/10/18 16:20
S2	1	("6236490").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/24 08:53
S3	1	("4655563").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/18 16:21
S4	1	("3904274").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/18 16:22
S5	2	("0793120").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/10/18 16:23
S6	2	("6398373").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/10/18 17:25
S7	0	("deformablemirror").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/10/18 17:25
S8	0	"deformablemirror"	US-PGPUB; USPAT	OR	ON	2006/10/18 17:26
S9	56	"bimorph mirror"	US-PGPUB; USPAT	OR	ON	2006/10/18 17:26
S10	107227	deformable	US-PGPUB; USPAT	OR	ON	2006/10/18 17:26
S11	417725	mirror	US-PGPUB; USPAT	OR	ON	2006/10/18 17:26

## EAST Search History

S12	10336	S10 and S11	US-PGPUB; USPAT	OR	ON	2006/10/18 17:27
S13	2987	S10 with S11	US-PGPUB; USPAT	OR	ON	2006/10/18 17:27
S14	3460	S10 same S11	US-PGPUB; USPAT	OR	ON	2006/10/18 17:27
S15	154	S13 and "piezoelectric material"	US-PGPUB; USPAT	OR	ON	2006/10/18 17:29
S16	85	S15 and @py<"2003"	US-PGPUB; USPAT	OR	ON	2006/10/18 17:30
S17	389	(359/846).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/18 17:31
S18	170	S17 and "actuator"	US-PGPUB; USPAT	OR	ON	2006/10/18 17:31
S19	32	S18 and "piezoelectric material"	US-PGPUB; USPAT	OR	ON	2006/10/18 17:41
S20	203	(359/847).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/18 17:42
S21	48	S20 and "actuator"	US-PGPUB; USPAT	OR	ON	2006/10/18 17:42
S22	6	S21 and "piezoelectric material"	US-PGPUB; USPAT	OR	ON	2006/10/19 12:12
S23	0	("10537898").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/19 12:13
S24	0	("10537898").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/10/19 12:13
S25	0	("deformablemirror").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/10/19 12:13
S26	515168	deformable mirror	US-PGPUB; USPAT	OR	ON	2006/10/19 12:13
S27	2272	"deformable mirror"	US-PGPUB; USPAT	OR	ON	2006/10/19 12:14
S28	930	"deformable mirror" and actuator	US-PGPUB; USPAT	OR	ON	2006/10/19 12:14
S29	100	"deformable mirror" and "actuator" and "zernike"	US-PGPUB; USPAT	OR	ON	2006/10/19 14:14
S30	0	(350/611).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/19 14:20

## EAST Search History

S31	1	("4655563").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/19 14:22
S32	1	("6236490").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/19 14:22
S33	0	("deformablemirror"or"bimorphmirr or").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/19 14:23
S34	2292	"deformable mirror" or "bimorph mirror"	US-PGPUB; USPAT	OR	ON	2006/10/19 14:23
S35	935	S34 and actuators	US-PGPUB; USPAT	OR	ON	2006/10/19 14:23
S36	87	S35 and "piezoelectric material"	US-PGPUB; USPAT	OR	ON	2006/10/19 14:24
S37	47	S36 and @py<"2003"	US-PGPUB; USPAT	OR	ON	2006/10/19 14:24
S38	1	("3904274").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/19 16:03
S39	44	("3904274").URPN.	USPAT	OR	ON	2006/10/19 16:27
S40	31	("1985424"   "2016962"   "2703798"   "2920529"   "3544201"   "3614677"   "3758199"   "4441791"   "4518976"   "4979789"   "5022745"   "5032906"   "5035475"   "5085497"   "5126836"   "5138309"   "5150205"   "5159225"   "5185660"   "5209119"   "5218512"   "5245369"   "5247222"   "5260798"   "5281888"   "5481396").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/19 16:45
S41	1	("6236490").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/19 16:45
S42	1	("4655563").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/19 16:46
S43	1	("3904274").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/19 16:47
S44	1	("6398373").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/19 16:49
S45	1	("4733945").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/19 16:50
S46	1	("5801891").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/19 16:50
S47	1	("6425671").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/19 16:51
S48	1	("3972600").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/19 16:52

## EAST Search History

S49	2	("0793120").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/10/19 16:52
S50	4	("3016976").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/10/19 16:53
S51	2	("0212948").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/10/19 16:53
S52	3	("9521394").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/10/19 16:53
S53	390	(359/846).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/23 11:46
S54	1	("4733945").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/23 11:45
S55	223	S53 and ("mount\$3" or "hold\$3" or "support")	US-PGPUB; USPAT	OR	ON	2006/10/23 11:48
S56	9	S53 and ("mount\$3" or "hold\$3" or "support") and "L-shaped"	US-PGPUB; USPAT	OR	ON	2006/10/23 11:58
S57	1	("6398373").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/23 16:21
S58	4	("3016976").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/10/23 12:04
S59	0	(2004/0174619).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/10/23 12:04

## EAST Search History

S60	2	("20040174619").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/10/23 13:13
S61	2	("6236490").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/10/23 13:14
S62	2	("4655563").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/10/23 13:52
S63	2	("6236490").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/10/23 15:20
S64	2	("3904274").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/10/23 13:53
S65	2	("4655563").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/10/23 13:53
S66	991	(359/290).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/10/23 15:20
S67	117	S66 and "deformable mirror"	US-PGPUB; USPAT	OR	ON	2006/10/23 15:20
S68	50	S67 and @py<"2003"	US-PGPUB; USPAT	OR	ON	2006/10/23 15:21
S69	1465	(359/819).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/23 16:21

## EAST Search History

S70	147	S69 and ("bear\$ing feet" or foot or leg or "flex beam" or (L-shape same beam))	US-PGPUB; USPAT	OR	ON	2006/10/23 16:23
S71	83	S70 and @py<"2003"	US-PGPUB; USPAT	OR	ON	2006/10/23 16:23
S72	6	("4468095").URPN.	USPAT	OR	ON	2006/10/23 16:50
S73	6	("4468095").URPN.	USPAT	OR	ON	2006/10/23 17:05
S74	1	("6819439").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/23 17:06
S75	129	(359/830).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/23 17:33
S76	3	S75 and ("C-shape" or "C-ring" or "C shaped" or "c shape" or "c ring")	US-PGPUB; USPAT	OR	ON	2006/10/23 17:25
S77	126	S75 and @py<"2006"	US-PGPUB; USPAT	OR	ON	2006/10/23 17:34
S78	12	"6236490"	US-PGPUB; USPAT	OR	ON	2006/10/24 08:54
S79	1	("6236490").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/24 10:35
S81	44	"zernike mode"	US-PGPUB; USPAT	OR	ON	2006/10/24 09:36
S82	8	"third order zernike mode"	US-PGPUB; USPAT	OR	ON	2006/10/24 09:37
S83	1	("4733945").PN.	US-PGPUB; USPAT	OR	OFF	2006/10/24 13:31
S84	2903	"Lens mounting"	US-PGPUB; USPAT	OR	ON	2006/10/24 13:31
S85	611676	"beams"	US-PGPUB; USPAT	OR	ON	2006/10/24 13:33
S86	1238	S84 and S85	US-PGPUB; USPAT	OR	ON	2006/10/24 13:34
S87	2617	"Lens holding"	US-PGPUB; USPAT	OR	ON	2006/10/24 13:34
S88	62	S86 and S87	US-PGPUB; USPAT	OR	ON	2006/10/24 13:42
S89	204	(359/847).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/24 13:42
S90	167	S89 and @py<"2003"	US-PGPUB; USPAT	OR	ON	2006/10/24 14:08
S91	392	(359/846).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/24 14:08
S92	270	S91 and @py<"2003"	US-PGPUB; USPAT	OR	ON	2006/10/24 15:07

## EAST Search History

S93	7	"precision mirror mounting"	US-PGPUB; USPAT	OR	ON	2006/10/24 15:08
S94	0	"mounting (lens or mirror) at edges"	US-PGPUB; USPAT	OR	ON	2006/10/24 15:09
S95	907	(359/871).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/10/24 15:10
S96	49	S95 and "flexure"	US-PGPUB; USPAT	OR	ON	2006/10/24 16:20